



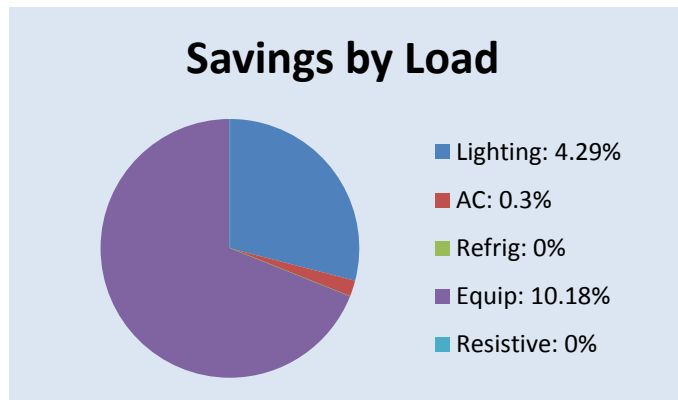
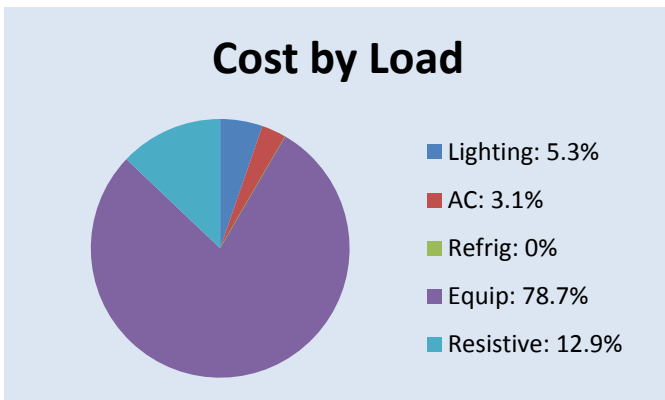
Subject Information

Facility: **Premier Packaging, Inc.**
 Facility Type: **Manufacturing**

Premier Packaging’s management team wanted to know whether applying power factor correction technology, at the load, could improve their power quality and reduce electricity costs. Premier Packaging has developed its “Green-Solutions” Program to affect every aspect of the business and reached out to EIS.

Management wanted to know if they could make a meaningful improvement in their power quality and reduce electrical energy consumption considering the fact that the vast majority of cost was related to equipment and resistive loads of over 90%. They were also paying a power factor penalty due to poor power quality.

Savings Analysis		
	Projected	Actual
Monthly Savings	12.8 %	17.9 %
Payback Period	34 months	21 months
Technologies Used	Electrical PQ Improvements, Lighting Upgrades, Frigi-Tech	



EIS originally insured the project savings at 12.8%. After 5 months of operation, the project was providing savings of 17.3% and had completely eliminated the Power Factor Penalty. This amounted to a 35% improvement over the amount insured by EIS and a significant improvement over the original 34-month payback period.

Environmental Benefits

- ✓ 1,232,746 Lbs. CO₂
- ✓ 328 Barrels of Oil
- ✓ 69 Tons of Coal
- ✓ 6,171 Lbs. of SO₂
- ✓ Equivalent to removing 110 Vehicles

Additional Benefits

- ✓ Motors Run Cooler
- ✓ Improved Lighting Quality
- ✓ Standardized Lighting in the Entire Facility
- ✓ No Special Training or Employee Involvement
- ✓ Increased Electrical Capacity